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PATENT

Attorney Docket No. 22194(1)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barnes et al.

Serial No.: 10/632,387

Art Unit: 3737

Filed: 08/01/2003

Examiner:

For: Optical Devices For Medical Diagnostics

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

1. Preliminary Statement

Applicants submit herewith patents, publications, or other information, of which they are aware that they believe may be material, as defined in 37 CFR § 1.56(b), to the examination of this application, and in respect of which, there may be a duty to disclose in accordance with 37 CFR § 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56(b), the filing of this Information Disclosure Statement is not intended, pursuant to 37 CFR § 1.97(h), to constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR § 1.97(g), the filing of this Information Disclosure Statement should not be construed as a statement that a search has been made or that no other material information exists. The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

2. Transmitted herewith and forming a part of this Information Disclosure Statement are forms PTO/SB/08A and 08B on which are listed items of information.

US Patent Documents

A1	5,318,024	Kittrell et al.	06/07/994
A2	5,782,770	Mooradian et al.	07/21/1998
A3	6,002,480	Izatt et al.	12/24/1999
A4	6,069,689	Zeng et al.	05/30/2000
A5	6,088,606	Ignatz et al.	07/11/2000

Foreign Patent Documents

A6	WO 98/38907	Boppart et al.	09/11/1998
A7	WO 01/34031 A1	Bambot et al.	05/17/2001

Other Art – Non-Patent Literature Documents

B1 – Anderson, Peter E. et al.; Local Diffuse Reflectance From Three-Layered Skin Tissue Structures; SPIE Vol. 2979; pp 515-526

B2 – Bruulsema, J.T. et al.; Optical Properties of Phantoms and Tissue Measured in vivo from 0.9-1.3µm Using Spatially Resolved Diffuse Reflectance; SPIE Vol. 2979; pp 325-334

B3 – Choo-Smith, L.P. et al.; Medical Applications of Raman Spectroscopy: From Proof of Principle to Clinical Implementation; Biopolymers (Biospectroscopy), Vol. 67; pp 1-9; 2002

B4 – Georgakoudi, Irene et al.; Fluorescence, Reflectance, and Light-Scattering Spectroscopy For Evaluating Dysplasia in Patients With Barrett's Esophagus; Gastroenterology; 2001; pp 1620-1629

B5 – Liu, C.H. Et al.; Raman, fluorescence, and time-resolved light scattering as optical diagnostic techniques to separate diseased and normal biomedical media; J. Photochem. Photobiol. B: boil., 16; 1992; pp 187-209

B6 – Koenig, Frank et al.; Spectroscopic Measurement of Diffuse Reflectance For Enhanced Detection of Bladder Carcinoma; Urology 51 (2); 1998; pp 342-345

B7 – Nickell, Stephan et al.; Anisotropy of light propagation in human skin; Phys. Med. Biol. 45; 2000; pp 2873-2886

B8 – Palmer, Gregory M. et al.; Optimal Methods for Fluorescence and Diffuse Reflectance Measurements of Tissue Biopsy Samples; Lasers in Surgery and Medicine; 2002; pp 1-10

B9 – Parker, Mary et al.; Hyperspectral Diagnostic Imaging of the Cervix; Report on a New Investigational Device; J. of Lower Genital Tract Disease; Vol. 4 No. 3; 2000; pp 119-124

B10 – Richards-Kortum, Rebecca et al.; Quantitative Optical Spectroscopy For Tissue Diagnosis; Annu. Rev. Phys. Chem.; 1996; 47; pp 555-606

B11 – Zelenchuk, Alex R. et al.; Fluorescence and Reflectance Spectra of Freshly Excised Cervical Tissue; Optical Biopsy IV, Proceedings of SPIE; Vol. 4613; 2002; pp 51-58

3. This Information Disclosure Statement is being submitted before an action on the merits; therefore, it is believed no additional fee is due.

4. Only copies of Foreign Patent Documents and Other Art – Non-Patent Literature Documents are enclosed.

The person making this statement is the practitioner who signs below on the basis of the information in the practitioner's file.

Respectfully submitted,



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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
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TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Application Number	10/632,387
Filing Date	08-01-2003
First Named Inventor	Barnes et al.
Art Unit	3737
Examiner Name	

Total Number of Pages in This Submission **346** Attorney Docket Number **13265** 22194(1)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Battelle Memorial Institute		
Signature			
Printed name	Klaus H. Wiesmann		
Date	05-03-2005	Reg. No.	30,437

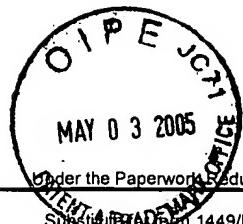
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Substitution AD Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number	10/632,387
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Examiner Name	
Attorney Docket Number	13265 [22194(1)]

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	A6	WO 98/38907	09-11-1998	Boppart et al.	
	A7	WO 01/34031 A1	05-17-2001	Bambot et al.	

Examiner Signature		Date Considered	
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				Art Unit	3737
				Examiner Name	
				Attorney Docket Number	13265 22194(1)

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	B1	ANDERSON, PETER E. et al.; Local Diffuse Reflenderson, Peter E. et al.; Local Diffuse Reflectance From Three-Layered Skin Tissue Structures; SPIE Vol. 2979; pp 515-526			T ²
	B2	Bruulsema, J.T. et al.; Optical Properties of Phantoms and Tissue Measured in vivo from 0.9-1.3µm Using Spatially Resolved Diffuse Reflectance; SPIE Vol. 2979; pp 325-334			
	B3	Choo-Smith, L.P. et al.; Medical Applications of Raman Spectroscopy: From Proof of Principle to Clinical Implementation; Biopolymers (Biospectroscopy), Vol. 67; pp 1-9; 2002			
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